



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_29100
Title of the Manuscript:	Effect of Radiation on unsteady MHD free convective flow past an exponentially accelerated inclined plate with exponential heat and mass diffusion
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)																																				
Compulsor Y REVISION comments	The following corrections must be effected in order to improve the quality of the manuscript for publication! ABSTRACT <table border="1"> <thead> <tr> <th>Line Number</th><th>Correct</th><th>Incorrect</th></tr> </thead> <tbody> <tr> <td>1. Line 6, 2nd line</td><td>investigated in the presence...</td><td>investigated in presence...</td></tr> <tr> <td>2. Line 6, last line, 4th to the last word</td><td>have</td><td>has</td></tr> </tbody> </table> 1. INTRODUCTION <table border="1"> <thead> <tr> <th>Line Number</th><th>Correction/Remark</th><th>Incorrect</th></tr> </thead> <tbody> <tr> <td>1. Line 12, 3rd to the last word</td><td>corresponding</td><td>correspond</td></tr> <tr> <td>2. Line 35</td><td>...technique has been studied...</td><td>...technique has studied...</td></tr> <tr> <td>3. Line 47</td><td>...flow past a moving...</td><td>...flow past on moving...</td></tr> <tr> <td>4. Line 56</td><td>...These effects cannot be neglected...</td><td>...These effects cannot neglect...</td></tr> <tr> <td>5. Line 76</td><td>...emitting radiation, but...</td><td>...emitting radiation but...</td></tr> <tr> <td>6. Line 86</td><td>Put comma (,) at the end of each of the equations (1)-(4)</td><td></td></tr> <tr> <td>7. Line 95</td><td>...conditions as follows:</td><td>...conditions as follows,</td></tr> <tr> <td>8. Line 95</td><td>Remove } before at</td><td></td></tr> </tbody> </table>	Line Number	Correct	Incorrect	1. Line 6, 2 nd line	investigated in the presence...	investigated in presence...	2. Line 6, last line, 4 th to the last word	have	has	Line Number	Correction/Remark	Incorrect	1. Line 12, 3 rd to the last word	corresponding	correspond	2. Line 35	...technique has been studied...	...technique has studied...	3. Line 47	...flow past a moving...	...flow past on moving...	4. Line 56	...These effects cannot be neglected...	...These effects cannot neglect...	5. Line 76	...emitting radiation, but...	...emitting radiation but...	6. Line 86	Put comma (,) at the end of each of the equations (1)-(4)		7. Line 95	...conditions as follows:	...conditions as follows,	8. Line 95	Remove } before at		I have tried to correct as much as possible by your instructions. But, I have not seen this on any paper that's why I cannot change. If you send me those type of papers then I will try to make my paper on this type[Put comma (,) at the end of the first equation of equation (5) and full stop (.) at end of the last equation of equation]
Line Number	Correct	Incorrect																																				
1. Line 6, 2 nd line	investigated in the presence...	investigated in presence...																																				
2. Line 6, last line, 4 th to the last word	have	has																																				
Line Number	Correction/Remark	Incorrect																																				
1. Line 12, 3 rd to the last word	corresponding	correspond																																				
2. Line 35	...technique has been studied...	...technique has studied...																																				
3. Line 47	...flow past a moving...	...flow past on moving...																																				
4. Line 56	...These effects cannot be neglected...	...These effects cannot neglect...																																				
5. Line 76	...emitting radiation, but...	...emitting radiation but...																																				
6. Line 86	Put comma (,) at the end of each of the equations (1)-(4)																																					
7. Line 95	...conditions as follows:	...conditions as follows,																																				
8. Line 95	Remove } before at																																					



SDI Review Form 1.6

		Remove } before as		
	9. Line 95	Put comma (,) at the end of the first equation of equation (5) and full stop (.) at end of the last equation of equation (5)		
	10. Line 96	Put comma (,) at the end of equation (6)		
	11. Line 97	where	Where	
	12. Line 100	Put full stop (.) at end of equation (7)		
	13. Line 101	Put full stop (.) at end of equation (8)		
	14. Line 102	Put full stop (.) at end of the last equation of equation (9)		
	15. Line 104	Put comma (,) at the end of each of the equations (10) - (12), and full stop (.) at the end of equation (13)		
	16. Line 104, energy equation (12)	$\frac{\partial \theta}{\partial \tau} + U \frac{\partial \theta}{\partial X} + V \frac{\partial \theta}{\partial Y}$ $= \frac{1}{Pr} \frac{\partial^2 \theta}{\partial Y^2} + \frac{R}{Pr} \frac{\partial^2 \theta}{\partial Y^2} + D_u \frac{\partial^2 C}{\partial Y^2} + Q \theta$ $+ E_c \left(\frac{\partial U}{\partial Y} \right)^2$	$\frac{\partial U}{\partial \tau} + U \frac{\partial U}{\partial X} + V \frac{\partial U}{\partial Y}$ $= \frac{\partial^2 U}{\partial Y^2} + G_r \theta \cos + G_m \phi \cos - \left(M + \frac{1}{D_a} \right) U - \frac{F_s}{D_a} U^2$	
	17. Line 105	Remove } before at Remove } before as		
	18. Line 105	Put comma (,) at the end of the first equation of equation		



SDI Review Form 1.6

		(14) and full stop (.) at end of the last equation of equation (14)		
19. Line 109		Put comma (,) at the end of each of the equations (16) - (17), and full stop (.) at the end of equation (18)		
20. Line 114		...axes, where...	...axes where	
21. Line 121		Put comma (,) at the end of each of the equations (20) - (22), and full stop (.) at the end of equation (23)		
22. Line 122		Remove } before at Remove } before as		
23. Line 122		Put comma (,) at the end of the first equation of equation (24) and full stop (.) at end of the last equation of equation (24)		
24. Line 124		superscripts $n \dots$...time, $\tau = n\Delta\tau$, where $n = 0,1,2,3,\dots$, where...	superscripts $p \dots$...time, $T = n\Delta T$ where $n = 0,1,2,3,\dots$ Where...	
25. Line 127		...at $\tau=0$, ...	...at $T = 0$, ...	
2. MATHEMATICAL FORMULATION				
Line Number	Correction/Remark	Incorrect		
1. Line 86	Put comma (,) at the end of each of the equations (1)-(4)			
2. Line 95	...conditions as follows:	...conditions as follows,		
3. Line 95	Remove } before at			



SDI Review Form 1.6

	4. Line 95	Remove } before as		
	5. Line 95	Put comma (,) at the end of the first equation of equation (5) and full stop (.) at end of the last equation of equation (5)		
	6. Line 96	Put comma (,) at the end of equation (6)		
	7. Line 97	where	Where	
	8. Line 100	Put full stop (.) at end of equation (7)		
	9. Line 101	Put full stop (.) at end of equation (8)		
	10. Line 102	Put full stop (.) at end of the last equation of equation (9)		
	11. Line 104	Put comma (,) at the end of each of the equations (10) - (12), and full stop (.) at the end of equation (13)		
	12. Line 104, energy equation (12)	$\frac{\partial \theta}{\partial \tau} + U \frac{\partial \theta}{\partial X} + V \frac{\partial \theta}{\partial Y}$ $= \frac{1}{Pr} \frac{\partial^2 \theta}{\partial Y^2} + \frac{R}{Pr} \frac{\partial^2 \theta}{\partial Y^2} + D_u \frac{\partial^2 C}{\partial Y^2} + Q\theta$ $+ E_c \left(\frac{\partial U}{\partial Y} \right)^2$	$\frac{\partial U}{\partial \tau} + U \frac{\partial U}{\partial X} + V \frac{\partial U}{\partial Y}$ $= \frac{\partial^2 U}{\partial Y^2} + G_r \theta \cos + G_m \phi \cos - \left(M + \frac{1}{D_a} \right) U - \frac{F_s}{D_a} U$	
	13. Line 105	Remove } before at Remove } before as		
	14. Line 105	Put comma (,) at the end of the first equation of equation (14) and full stop (.) at end		



SDI Review Form 1.6

		of the last equation of equation (14)	
15. Line 109		Put comma (,) at the end of each of the equations (16) - (17), and full stop (.) at the end of equation (18)	
3. NUMERICAL SOLUTION			
Line Number	Correction/Remark	Incorrect	
1. Line 114	...axes, where...	...axes where	
2. Line 121	Put comma (,) at the end of each of the equations (20) -(22), and full stop (.) at the end of equation (23)		
3. Line 122	Remove } before at Remove } before as		
4. Line 122	Put comma (,) at the end of the first equation of equation (24) and full stop (.) at end of the last equation of equation (24)		
5. Line 124	superscripts n time, $\tau = n\Delta\tau$, where $n = 0,1,2,3,...$, where...	superscripts p time, $T = n\Delta T$ where $n = 0,1,2,3,...$ Where...	
6. Line 126	Put comma (,) at the end of equation (25) and full stop (.) at end of equation (26)		
7. Line 127	...at $\tau=0$, ...	...at $T = 0$, ...	
4. RESULTS AND DISCUSSION			
Line Number	Correction/Remark	Incorrect	
1. Line 139	...convection, Grashof number...	...convection Grashof number...	
2. Line 156,	The values of the computed velocities are not matching the % increase as indicated.		



SDI Review Form 1.6

	157	Correct appropriately!!!	
	3. Line 161	Check correctness of the % computations!!!	
	4. Line 169	...Grashof number G_r , which...	...Grashof number G_r which...
	5. Line 191	...boundary layer. Physically, the increase...	...boundary layer. Physically the increase...
	6. Line 193	...number decrease, but Nusselt number increases...	...number decrease but Nusselt number increase...
	7. Line 198	...Physically, ...	...Physically...
	8. Line 201	...parameter Q gives an increase...	...parameter Q gives in an increase...
	9. Line 204	effect...	effects...
	10. Line 210, 211 to blend	Figs. 16-21, which demonstrate....	Figs. 16-21 demonstrates....

5. CONCLUSION

Line Number	Correction/Remark	Incorrect
1. Line 243	CONCLUSION	CONCLUTION
2. Line 246	...may be drawn as follows:	...may be drawn:

3. The findings should also include the temperature and concentration, respectively!!!



SDI Review Form 1.6

Minor REVISION comments		
Optional/General comments	1. Follow accordingly the guidelines of the journal and correct all that's needed to be corrected for the purpose of quality and consistency with the standard of the journal!!! 2. Grammatical syntax must be corrected accordingly and consistently with the requirements of the journal!!! 3. Publish the manuscript after when the corrections are effected, for it is of good quality!!!	